TO BE ADDED TO GENERAL NOTES
FOR ALL
STREET LIGHT IMPROVEMENT PLANS

16. All traffic striping, markings, signs, traffic signals and highway lighting, except as indicated hereon shall be done in strict conformance with the current City of Ontario standard specifications and standard drawings and the latest editions of the Caltrans standard specifications sections 56, 82, 84, 85, 86 and standard drawings, and the MUTCD, and the MUTCD California supplement.
17. All cable shall be delivered new to the site and shall be pulled continuously from light standard to feed point. Spliced wires are allowed in pull boxes only. Splicing is not allowed in conduits or street light standards.
18. As shown on the Caltrans Standard Plan, ES-13, conductors shall be spliced by the use of compression connectors and insulation shall be by "Method B". Wire nuts are not allowed.
19. Wiring shall be Poly Vinyl-Chloride Insulated (Type THW, or THNN) 600V – NO. 8 AWG Copper Cable per the standard specifications or approved equal. Number 12 AWG copper cable shall be allowed in the light standards.
20. Conductors shall conform to the following colors: Conductors for grounding and bonding shall be bare or green, common or neutral conductors shall be white, underground-line 1 conductors shall be black, underground-line 2 conductors shall be red.
21. A number 3 ½ pull box shall be installed 6" behind curb in line with the center of the light standard on side nearest the flow of on coming traffic. The pull box shall be sloped at ¼" per foot to top of curb, fitted with a fused splice connector conforming to State of California Standard Specification, Section 86-2.095. The fuse connector shall be Bussman – Type TRON-HEB for 120v, or TRON-HEX for 240v, with Type KTK fuses rated at 20 amps (Bussman Bulletin SPF-11). Refer to City of Ontario Standard Drawing Street Light Installation Detail.
22. All conduits shall be 1 ½" rigid metallic or Schedule 80 PVC. Unless otherwise noted.
23. Bonding of circuits shall be per applicable codes.
24. All new luminary circuits shall operate on 240 volts. The contractor shall verify the voltage of the existing luminaries.
25. Poles shall be from one manufacturer.
26. Poles shall be mounted in center of foundation per Ontario Standard Drawing Street Light Standard.
27. All foundations shall be adjacent to back of curb per Ontario Standard Drawing Street Light Standard, or as otherwise shown.
28. All anchor bolts shall be 1" X 36" X 4', and project 4 ½" above top of foundation. Cap with 5" of grout sloped at ¼" per foot to top of curb. Refer to Ontario Standard Drawing Street Light Installation Detail.
29. The contractor shall supply and install all materials including photoelectric control circuit breakers and auxiliary relay(s). Southern California Edison will furnish and

install service conductors to the landing lugs per City of Ontario Standard Drawings Underground Electrical Feed Point and Street Light Pedestal Wiring Diagram.

30. Circuit protection shall be provided as follows: 15 amp for photoelectric control, 30 amp single or double pole for each circuit as required.
31. At the direction of the engineer, the contractor shall deliver and unload any salvage to the Ontario Municipal Service Center, 1425 South Bon View Avenue, or City well site no. 9 on the west side of Columbia Avenue north of Deodar Street or south of Ontario Municipal Service Center Cucamonga Avenue driveway.
32. Install a shorting cap in the photoelectric control receptacle of all light standards.
33. A 5/8" X 8' Blackburn copper clad ground rod, or equivalent, with copper weld ground clamp, or equivalent, shall be installed in the underground electrical feed point (service pedestal). Refer to Ontario Standard drawing Underground Electrical Feed Point.
34. All work related to electric service shall be performed in conformance with the requirements of the Southern California Edison Company.
35. State law CAL/OSHA Electrical Safety Order 2946 requires a minimum clearance of 10 feet from overhead high voltage lines and street lights and operating boom-type lifting or hoisting equipment.
36. Contractor shall request the field inspector to notify the Traffic Engineering Department to send a letter of service request to Edison at the start of construction of the project.